

Appendix table 5-6.

**Percentage and standard error of 9-year-old students at the indicated level of NAEP science achievement, by gender, race/ethnicity, and region: 1977-96**

Student gender, race/ ethnicity, and region	1977	1982	1986	1990	1992	1994	1996	*	‡	L	Q
<b>Level 200</b>											
Total .....	68.0 (1.1)	70.7 (1.9)	72.0 (1.1)	76.4 (0.9)	78.0 (1.2)	77.4 (1.0)	76.1 (1.2)	+	+		
Male .....	69.5 (1.2)	69.7 (2.0)	74.1 (1.4)	76.3 (1.2)	80.4 (1.4)	77.6 (0.9)	76.8 (1.8)	+	+		
Female .....	66.5 (1.1)	71.8 (2.2)	70.0 (1.3)	76.4 (1.1)	75.7 (1.2)	77.2 (1.4)	75.5 (1.0)	+	+		
White .....	76.8 (0.7)	78.4 (2.0)	78.9 (1.0)	84.4 (0.7)	85.5 (0.9)	85.6 (1.0)	83.8 (1.2)	+	+		
Black .....	27.2 (1.5)	38.9 (2.7)	46.2 (2.3)	46.4 (3.1)	51.3 (3.5)	51.6 (2.3)	52.2 (3.4)	+	+		
Hispanic ....	42.0 (3.1)	40.2 (6.1)	50.1 (3.7)	56.3 (3.7)	55.5 (4.3)	49.9 (3.1)	57.8 (3.1)	+	+		
Other .....	62.0 (6.9)	NA	67.4 (4.1)	76.3 (7.0)	73.2 (3.7)	65.3 (5.6)	70.1 (4.9)				
Northeast ..	72.6 (1.6)	71.5 (3.5)	75.6 (2.5)	78.2 (2.3)	80.6 (2.2)	80.0 (2.7)	79.1 (1.8)	+	+		
Southeast ..	55.0 (2.4)	63.0 (3.6)	67.3 (3.0)	68.4 (2.4)	71.4 (2.4)	74.5 (2.7)	71.6 (3.1)	+	+		
Central .....	72.5 (2.1)	75.4 (3.7)	75.2 (2.1)	81.9 (1.3)	83.7 (1.4)	81.9 (2.2)	79.1 (2.2)				
West .....	68.5 (2.3)	71.4 (3.8)	69.9 (3.0)	76.8 (2.1)	75.9 (2.7)	73.6 (2.1)	74.9 (1.6)				
<b>Level 250</b>											
Total .....	25.7 (0.7)	24.3 (1.8)	27.5 (1.4)	31.1 (0.8)	32.8 (1.0)	33.7 (1.2)	32.2 (1.3)	+	+		
Male .....	27.4 (0.9)	25.6 (2.6)	29.9 (2.0)	33.1 (1.1)	37.2 (1.7)	35.3 (1.4)	33.9 (1.9)	+	+		
Female .....	24.0 (0.9)	23.0 (2.0)	25.1 (1.4)	29.1 (1.0)	28.6 (1.1)	32.2 (1.5)	30.7 (1.9)	+	+		
White .....	30.8 (0.7)	29.4 (2.1)	32.7 (1.5)	37.5 (1.1)	39.4 (1.1)	40.8 (1.5)	39.6 (1.5)	+	+		
Black .....	3.5 (0.6)	3.9 (1.3)	8.3 (1.5)	8.5 (1.1)	9.2 (1.4)	11.1 (1.4)	10.6 (2.0)	+	+		
Hispanic ....	8.8 (1.7)	4.2 (2.7)	10.7 (2.4)	11.6 (2.1)	11.7 (1.8)	10.8 (2.5)	13.1 (3.1)				
Other .....	20.5 (4.9)	NA	27.1 (5.8)	30.1 (6.0)	30.4 (4.7)	22.1 (4.3)	25.8 (4.9)				
Northeast ..	28.9 (1.1)	25.8 (3.1)	30.5 (2.9)	33.4 (2.9)	35.9 (2.7)	36.8 (2.3)	35.0 (2.6)				
Southeast ..	17.2 (1.5)	20.2 (3.6)	23.3 (3.0)	24.9 (1.4)	26.5 (1.8)	30.4 (2.3)	27.9 (3.0)	+	+		
Central .....	29.2 (1.6)	27.5 (3.6)	30.1 (2.3)	34.4 (1.8)	38.7 (2.3)	38.1 (2.6)	35.9 (2.7)				
West .....	25.3 (1.2)	23.1 (4.6)	26.2 (2.6)	31.7 (1.7)	29.8 (2.2)	30.1 (2.7)	30.7 (2.6)				

NA = Data are unavailable for this assessment year; NAEP = National Assessment of Educational Progress

NOTES: Standard errors of the estimated percentages appear in parentheses.

\* Indicates that the percentage in 1996 is significantly larger (+) or smaller (-) than that in 1977.

‡ Indicates that the percentage in 1996 is significantly larger (+) or smaller (-) than that in 1994.

L Indicates that the positive (+) or negative (-) linear trend is significant; Q Indicates that the positive (+) or negative (-) quadratic trend is significant.

SOURCE: National Center for Education Statistics (NCES). 1997. *NAEP 1996 Trends in Academic Progress*. NCES 97-985. Washington, DC: U.S. Department of Education, Office of Educational Research and Improvement.

See figures 5-4 and 5-6 and text table 5-3 in Volume 1.

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